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Event	: Seminar on Internet of Things
Resource Person	: Mr. Sanjeev Malik, Founder, Sapro Electronics and Electricals India Pvt Ltd
Expert Speaker	: Dr. Gaurav Sinha, Dean Research & Development, TIAS
Date	: 9th December, 2022
Day	: Friday
Time	: 11:00 am- 1:00 pm
Venue	: Auditorium, Tecnia Institute of Advanced Studies
Convener	: Dr. Neha Gupta, Assistant Professor, Department of ICT, TIAS
No of Students	: 100

TECNIA INSTITUTE OF ADVANCED STUDIES GRADE "A" INSTITUTE DELHI INDIA

Azadi Ka Amrit Mahotsav

Organised by Department of ICT

Seminar on Internet of Things (IoT)

Mr. Sanjeev Malik
Founder
Sapro Electronics & Electricals India Pvt Ltd
(Resource Person)

Dr. Gaurav Sinha
Dean R&D, TIAS
(Expert Speaker)

Date: 09.12.2022 ; Time: 11 am Onwards
Venue: TIAS Auditorium

www.tiaspg.tecnia.in

Flier for Seminar on InternetofThings

Report of the Seminar:

The Department of Information, Communication and Technology at Tecnia Institute of Advanced Studies (TIAS) organized a seminar on 9th December, 2022. The topic of the seminar was Internet of Things. Mr. Sanjeev Malik was the resource person for the event. Mr. Sanjeev Malik is the founder of Sapro Electronics and Electricals India Pvt Ltd. With an industry experience of more than 12 years, he has been a key contributor in the development of remote-controlled electronic switch boards, dual axis solar tracker with expertise in complete product development life cycle. His interest areas include Internet of Things, Robotics, System Design and Digital Circuit Design, to name a few.

Further, Dr. Gaurav Sinha, Dean Research & Development, TIAS was the expert speaker for the seminar. Dr. Gaurav Sinha has been a professor in Electronics & Communication Engineering with more than 22 years of experience in teaching and research. He has been associated with several renowned institutions in India and abroad. His interest areas include Digital Communication, Wireless Communication and Optical Communication. The seminar was attended by the 1st, 2nd and 3rd year BCA students of TIAS.

The seminar began with a welcome speech by Dr. Neha Gupta, the convener for the event. She welcomed all the dignitaries and the participants present in the seminar. The seminar proceeded with the auspicious lamp lighting ceremony in the presence of all the guests and faculty members. This was followed by the felicitation ceremony in which Dr. Deepak Sonker, HoD, Department of ICT felicitated Mr. Sanjeev Malik. Next, Dr. Arti Bajaj welcomed Dr. Gaurav Sinha and Ms. Sania Kukkar felicitated Dr. Deepak Sonker.

The seminar was carried forward by an introductory speech by Dr. Deepak Sonker. He thanked the guests for being a part of the event. He also motivated the students to utilise the knowledge of the resource persons as a stepping stone towards Internet of Things. After his speech, Dr. Deepak invited the expert speaker for the event, Dr. Gaurav Sinha to share his knowledge with the students. Dr. Gaurav started his speech by introducing Internet of Things, followed by various examples of IoT devices in everyday life. Then, he explained the working of IoT devices. He also highlighted the advantages and disadvantages of IoT devices. Further, he discussed about the main components of IoT including sensors, gateway, cloud, analytics and user interfaces.

Next, the convener invited Mr. Sanjeev Malik on stage to discuss in detail about the topic Internet of Things. Mr. Sanjeev began his speech with a basic introduction to IoT, followed by the working of IoT devices. Next, he discussed about the basics of IoT cloud and various standards followed in IoT industry. Further, the resource person explained about the process of data collection for IoT devices. He also shed light on various applications of IoT such as Smart Grids, Smart Agriculture, Smart Cities, Smart Cars and Smart Homes. Then, he highlighted the advantages and disadvantages of IoT along with its future scope.

To give an experiential learning to the participants, Mr. Sanjeev displayed the working of an IoT device on stage. He showed how an IoT device could be easily controlled from a mobile phone to monitor the movement of a person in its vicinity. The demonstration was a great learning experience for the participants. At the end, Dr. Neha invited Dr. Deepak Sonker to present the vote of thanks. Overall, the seminar was a huge success.
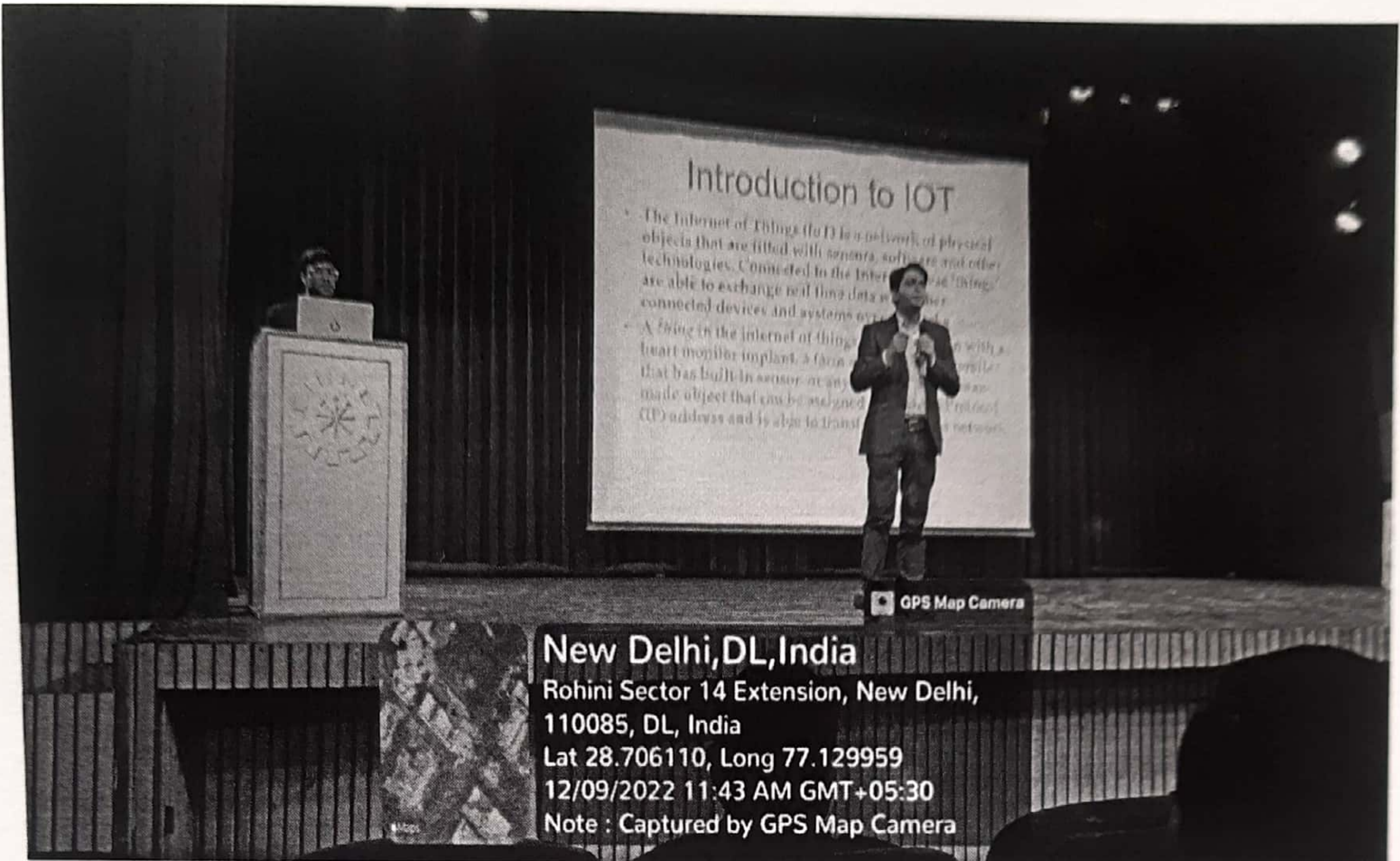
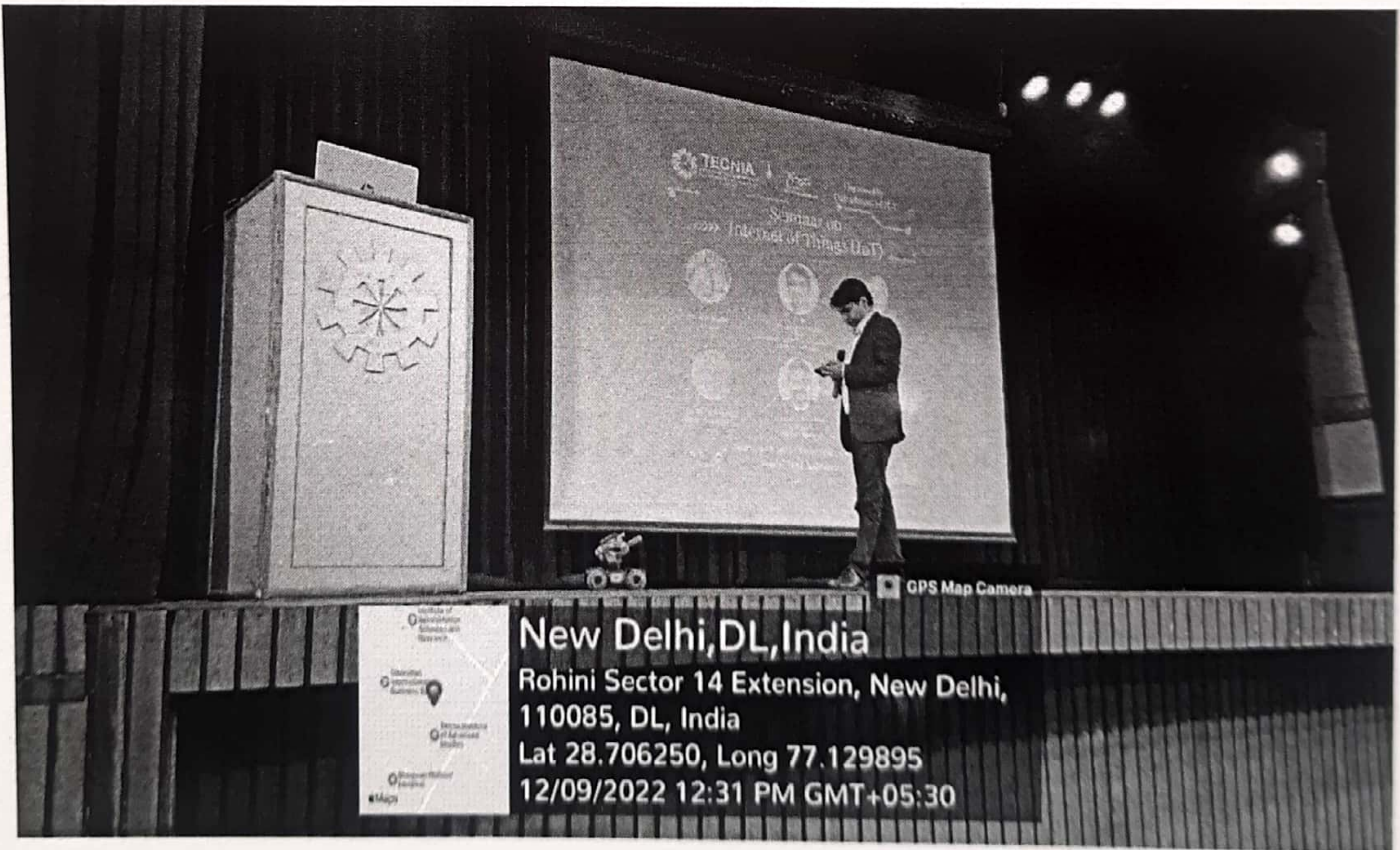**Glimpes of the seminar**

The expert speaker delivering his speech

The resource person sharing his knowledge

Demonstration of IoT device

Neha Gupta

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12/09/2022 11:43 AM GMT+05:30

Participants in the seminar

Learning Outcomes: Students were able to

1. Understand the fundamentals of Internet of Things, its working and its applications.
2. Analyze the advantages and disadvantages of IoT devices.
3. Create data collection project for IoT devices.

Neha Gupta